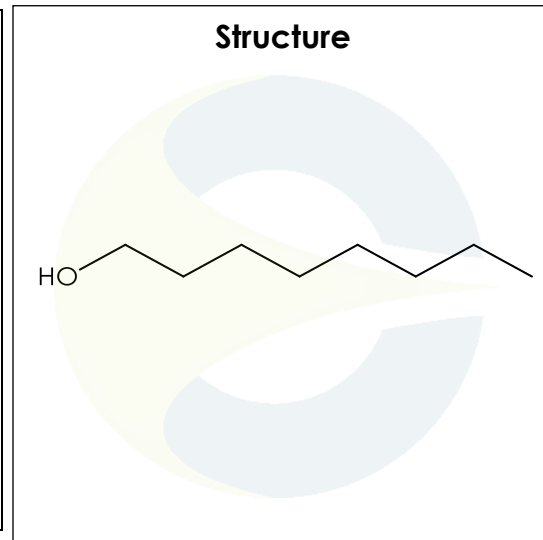


Certificate of Analysis
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PRODUCT NAME	1-Octanol
PART NUMBER	00015037
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00015037-J01
REPORT NUMBER	CDXA-RSS-3032-03
SAMPLE NUMBER	CDXA-08-1794
DATE OF SAMPLE	08/04/2008
DATE OF RE-EVALUATION	01/07/2014 (1 st); 11/06/2018 (2 nd); 08/19/2022 (3 rd)
DATE OF REPORT	09/07/2022



CHEMICAL NAMES	1-Hydroxyoctane; Caprylic alcohol; Heptyl carbinol; n-Octanol; Octanol; Octilin; n-Octyl alcohol
CHEMICAL FORMULA	C ₈ H ₁₈ O
MOLECULAR WEIGHT (MW)	130.23
CHEMICAL FAMILY	Fatty acids
CAS NUMBER	[111-87-5]
EC#(EINECS)	203-917-6
RTECS	RH6550000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	98.2%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Liquid

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	08/2027 under the above conditions.

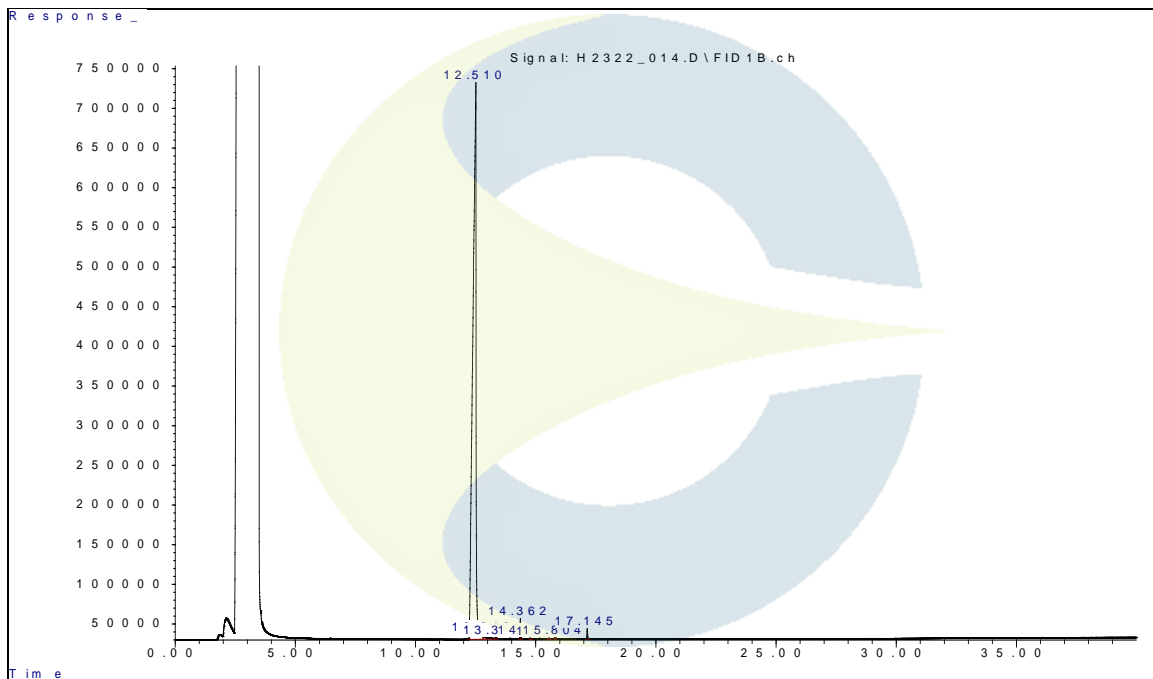
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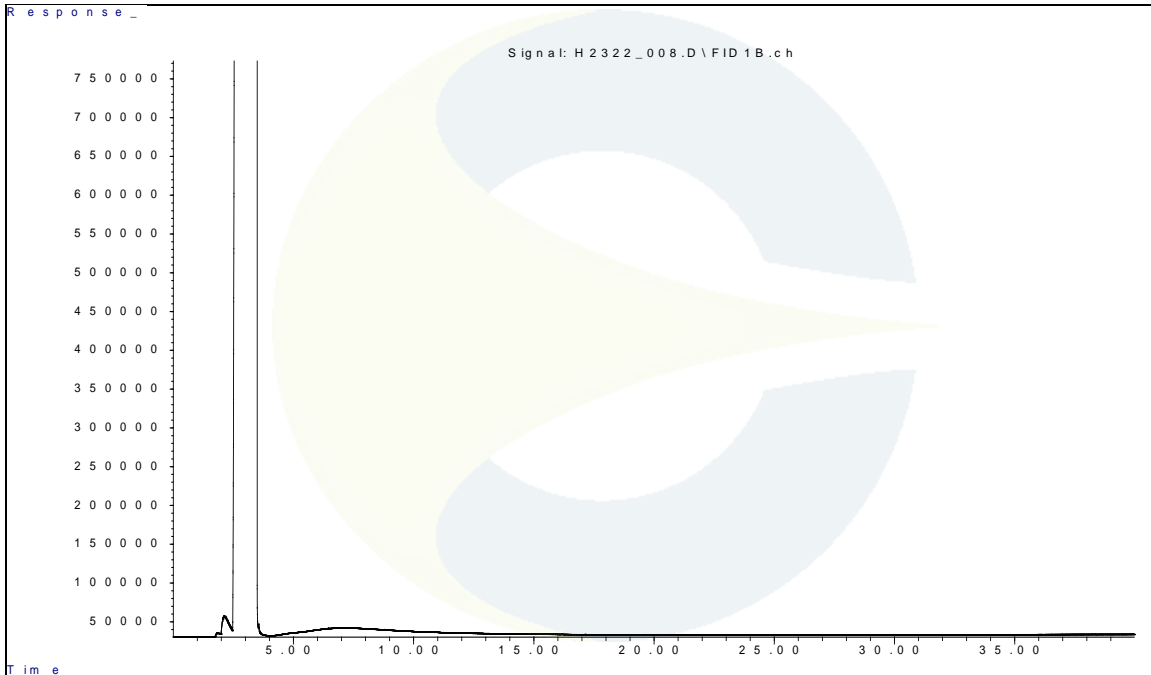
ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
COLUMN	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes.
FLOW RATE	2.0 mL/minute
INJECTOR TEMP.	300 °C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 µL
INJECTION CONC.	3.2 mg/mL in Chloroform
DETECTION	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

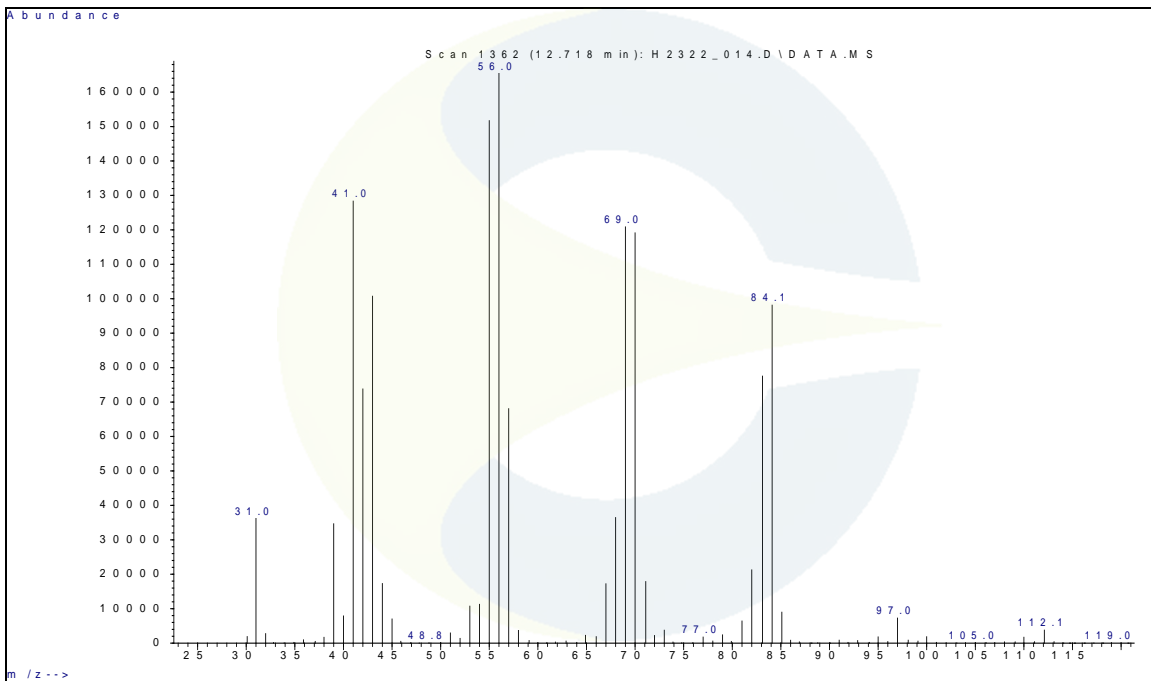
GC CHROMATOGRAM OF 1-OCTANOL (CDXA-08-1794)


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF 1-OCTANOL (CDXA-08-1794)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/13/2008	New report
01	01/28/2014	Passed re-evaluation. Updated expiration date.
02	12/03/2018	Passed re-evaluation. Updated Results, Analytical Conditions, chromatograms, mass spectrum and expiration date. Removed melting point.
03	09/07/2022	Passed re-evaluation. Updated expiration date, chromatograms, results, and conditions.

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